

Title (en)  
ANGLE AND TILT IMPLEMENT ASSEMBLY.

Title (de)  
WINKEL- UND KIPPGERÄT.

Title (fr)  
ENSEMBLE A ANGLE ET INCLINAISON.

Publication  
**EP 0023202 A4 19810424 (EN)**

Application  
**EP 79901058 A 19800815**

Priority  
US 1216379 A 19790129

Abstract (en)  
[origin: WO8001584A1] An implement assembly (12) includes an implement (16), such as, for example, a blade (22) of a work vehicle (10), pivotally connected to a frame (14) for supporting said blade (22). The blade (22) and frame (14) are closely positioned to the front of the work vehicle (10) for maximum stability and balance of the vehicle (10). In the implement assembly (12) first apparatus (18) tilts the blade (22) generally vertically. Second apparatus (20), such as, for example, angling cylinders (40, 42), moves the blade (22) to preselected angles relative to the vehicle (10). A subframe (50) is pivotally connected to the frame (14) and second apparatus (20). The blade (22) moves along the subframe (50) during tilting and with the subframe (50) to the preselected angles. Use of the subframe (50) substantially eliminates lateral movement of the angle cylinders (40, 42) during tilting for close mounting of the blade (22) and frame (14) without interference with the tractor (10) while minimizing weight of the implement assembly (12).

IPC 1-7  
**E02F 3/76; F16J 1/16**

IPC 8 full level  
**E02F 3/76** (2006.01)

CPC (source: EP US)  
**E02F 3/7613** (2013.01 - EP US)

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**WO 8001584 A1 19800807**; CA 1111242 A 19811027; EP 0023202 A1 19810204; EP 0023202 A4 19810424; EP 0023202 B1 19830907; MX 149282 A 19831007; US 4221267 A 19800909; ZA 795664 B 19801029

DOCDB simple family (application)  
**US 7900045 W 19790129**; CA 337970 A 19791018; EP 79901058 A 19800815; MX 18094380 A 19800124; US 1216379 A 19790129; ZA 795664 A 19791023